ABSTRACT

The present invention relates to a flare pellet assembly for generating visual and/or infrared energy output, and to methods of making and using the same. The flare pellet assembly generally includes a stack of flare pellets, the individual pellets of which may exhibit an at least generally tapering geometry. These flare pellets may be stacked in a manner that substantially prevents motion of one flare pellet relative to another flare pellet. This stacked arrangement of the flare pellets, along with one or more grooves that may be defined in and/or between adjacent flare pellets, may be said to at least generally enable the resultant flare pellet assembly to provide one or both infrared and visual energy output that reaches desired countermeasure energy output specifications without sacrificing structural integrity of the flare pellet assembly.